Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 06:00 on Monday 18 Dec 2023 until 23:59 on Tuesday 19 Dec 2023

Forecast Issued on Monday 18 Dec 2023 at 04:33

Confidence: High for unsettled, wet and windy conditions, lowering confidence on frontal clearance on Tuesday.

Headline for Monday 18 Dec 2023: Cloudy with occasionally heavy rain, drier this evening. Strong winds.

Mountain weather hazards on Monday 18 Dec 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales Low Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** Low Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Drizzle	Drizzle	Drizzle	Heavy Rain	Drizzle	Cloudy
Precipitation probability					
40%	50%	50%	80%	50%	10%

Forecast for Monday 18 Dec 2023

Weather: A cloudy day with outbreaks of rain developing through the morning becoming more persistent and perhaps heavy at times in the afternoon, especially on western slopes. The rain turns lighter and patchier again through the evening before clearing south towards midnight with a brief clear spell before rain arrives in the early hours. Strong winds, easing into the evening.

Chance of cloud-free hill tops above 600m: less than 10% in western parts, 30% in the east through much of the day gradually improving to around 90% through the late afternoon and evening.

Low Cloud and visibility: Broken to overcast cloud above 500-700m lowering to 400m on western slopes, especially in heavier rain or periods of prolonged drizzle. Good visibility, poor in hill fog and drizzle.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Monday 18 Dec 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	26/34 SW	22/30 SW	26/37 SW	24/34 SW	22/30 W	17/24 W	16/22 W
300	11/25 SW	14/30 SW	17/34 SW	15/30 W	14/29 W	8/21 W	9/20 W
Valley	11/25 SW	12/27 SW	15/31 SW	11/25 SW	9/22 W	4/16 W	5/14 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	8/3	8/4	8/4	8/3	7/2	6/1	5/1
300	9/6	9/6	10/6	10/6	9/6	8/6	7/5
Valley	10/7	10/7	10/7	10/8	10/8	8/7	8/7
Freezing Level*	2000m	2000m	2500m	2400m	1800m	1400m	1400m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Gusts around 50mph over ridges and summits along with heavy rain leading to a significant chill on the hill tops despite the mild temperatures at low level.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Mon 18 Dec 2023	8.6mm	9.8mm	10.4mm

Forecast for Tuesday 19 Dec 2023

Weather: After a wet night, cloud and rain clearing to the southeast to leave a good deal of sunshine throughout the rest of the day. A few isolated showers possible, which may be wintry over the highest peaks.

Maximum wind: Westerly or northwesterly15mph increasing 25mph by midday, with gusts around 45mph over ridges and summits by evening.

Chance of cloud-free hill tops above 600m: Around 25% at first improving to 75%

Low Cloud and visibility: Periods of cloud above 500-700m breaking up with isolated patchy cloud on northwesterly slopes. Good visibility becoming very good in the afternoon, poor in any showers.

Temperature: **Valleys:** Around plus 5 or 6 Celsius at dawn and rising to plus 7 or 8 Celsius by day
At 600m: Around plus 2 Celsius
Freezing level: Falling to just above higher summits

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